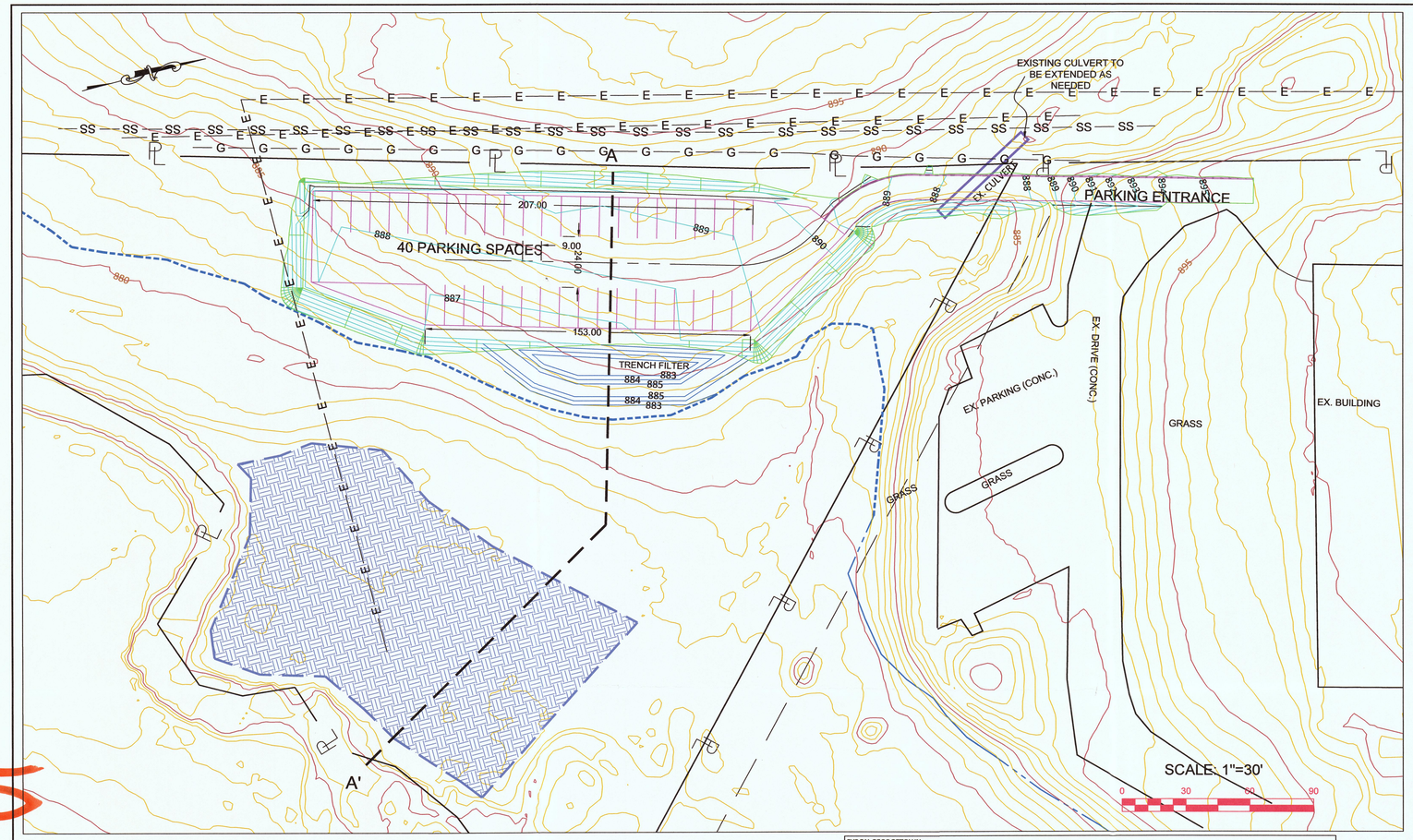
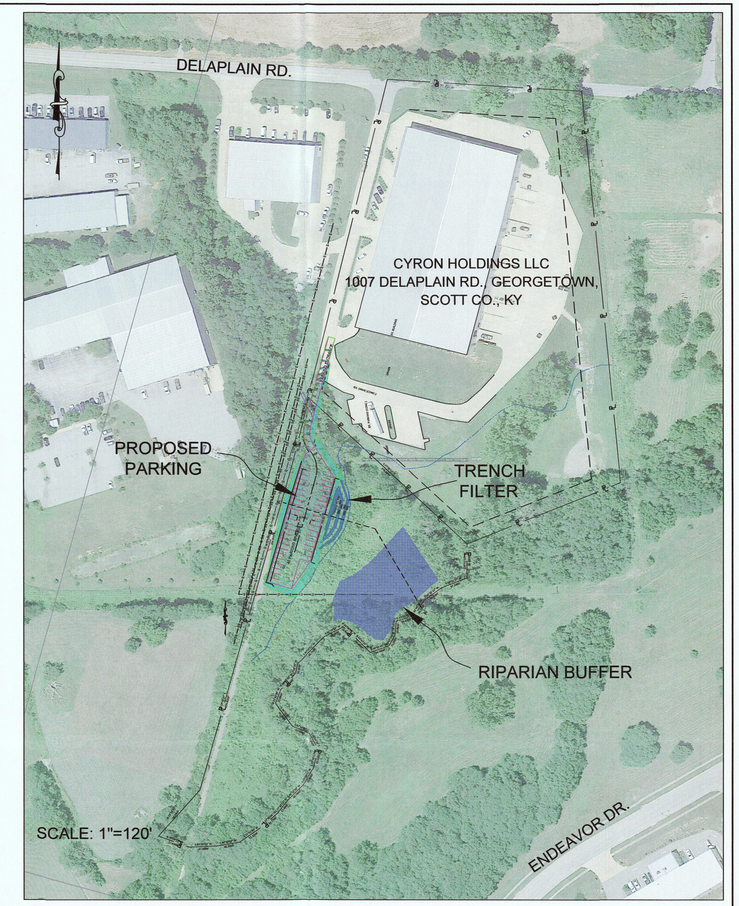
PDP-2024-23 v1

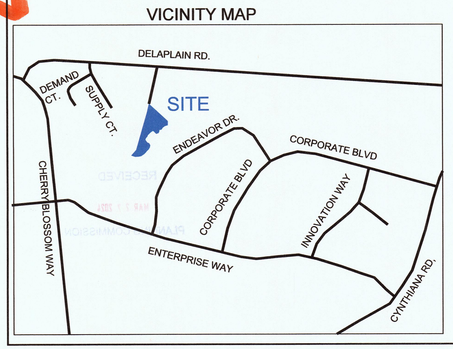




2024-23 v1

A-A' (PROPOSED TRENCH FILTER AND RIPARIAN BUFFER)

VICINITY MAP



SITE GRADING NOTES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL 811 AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

2. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY EXISTING STRUCTURES THAT ARE DAMAGED DURING, AND AS A RESULT OF, CONSTRUCTION. REPAIRS AND/OR REPLACEMENTS SHALL BE MADE AS NECESSARY TO RETURN THE DAMAGED STRUCTURE(S) TO ORIGINAL OR BETTER CONDITION. REPAIRS AND/OR REPLACEMENTS SHALL BE AT THE CONTRACTORS EXPENSE.

3. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE GENERAL K.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

4. EXISTING GRADE CONTOUR INTERVALS SHOWN AT 2 FOOT.

5. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE AT LEAST 4 INCHES OF TOPSOIL AND GROUND COVER.

6. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS LOTS TO NATURAL AND PAVED AREAS.

7. CONTRACTOR IS RESPONSIBLE TO FOR NOI.

CYRON GEORGETOWN						
DELAPLAIN RD., GEORGETOWN, KY						
Total Area of Site	3.26	Acre				
Impervious Area of Site	0.34	Acre				
Soil Specific Recharge	0.25	In. (From Georgetown Stormwater Manual)				
90 Percent Of Total Storm Events	1.00	In. (From Georgetown Stormwater Manual)				
REQUIRED - GROUND WATER RECHARGE: GRv = 1/12 (Sin)(0.05+0.009*I)(A)						
	GRv =	Groundwater recharge volume =	0.0098	Acre-ft		
	Sin =	Soil specific recharge =	0.2500	In.		
	I =	Percent impervious =	10.43	%		
	A =	Total area of site =	3.2600	Acre		
PROPOSED GROUND WATER RECHARCE VOLUME:						
	GRv-prop	Proposed Groundwater recharge volume =	0.0100	Acre-ft	OK	
	Infiltration Pond Area	Area of Recharge Zone	0.0120	Acre		
	Infiltration Pond Depth	Depth of Recharch Zone	1.0700	ft		
	Infiltration Pond Void Ratio	Void Ratio of Aggregate	50.00%			
REQUIRED - QUALITY PROTECTION: WQv = 1/12 (P)(0.05+0.009*I)(A)						
	WQv =	Groundwater quality volume =	0.039	Acre-ft		
	P =	Soil specific recharge =	1.00	In.		
	I =	Percent impervious =	10.43	%		
	A =	Total area of site =	3.2600	Acre		
PROPOSED - QUALITY PROTECTION:						
	WQv-prop =	Trench Filter Stage Storage	0.040	Acre-ft	OK	
		Based on Geometry				
		TOTAL REQUIRED INFILTRATION/QUALITY VOL.	0.05	Acre-ft	OK	
		TOTAL PROPOSED INFILTRATION/QUALITY VOL.	0.05	Acre-ft	OK	
REQUIRED - RIPARIAN BUFFER WIDTH: 1 SIDE MIN = 60', OR FLOODPLAIN WIDTH *0.3						
	Flood Plain Width (West Side of Cr.)	160.0000	Ft			
	Width x 0.3	48.0000	Ft			
	Required Min.	60.0000	Ft			
	PROPOSED RIPARIAN BUFFER	105.0000	Ft	OK		

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF SILTATION AND EROSION FROM THE PROJECT DISTURBED LIMITS. ANY DAMAGE CAUSED BY EROSION OR DEPOSITION OF EXCAVATED MATERIAL FOR THE CONSTRUCTION SITE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER AND OWNER AT NO ADDITIONAL COST TO THE OWNER.

2. PROCUREMENT, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. THE CONTRACTOR SHALL PROVIDE MEASURES TO KEEP DIRT, SEDIMENT, OR ANY OTHER MATERIAL OFF OF EXISTING PAVED ROADS PUBLIC OR PRIVATE.

4. AREAS DISTURBED AND INACTIVE FOR MORE THAN 14 DAYS SHALL BE TEMPORARY SEEDED AND MULCHED. SEED SHALL CONSIST OF ANNUAL RYE GRASS SOWN AT A RATE OF 12 POUNDS PER 1,000 SQUARE YARDS. WATER AND FERTILIZER SHALL BE APPLIED TO SEEDED AREAS AS NECESSARY TO PROMOTE SEED GROWTH AND PREVENT EROSION.

5. SILT FENCING SHALL BE INSTALLED DOWN-SLOPE OF DISTURBED AREAS AND AROUND SOIL STOCKPILES PRIOR TO CLEARING AND GRUBBING. SILT FENCING MUST BE SITUATED SUCH THAT THE TOTAL AREA DRAINING TO THE FENCE IS NOT GREATER THAN ONE-FOUTH ACRES PER 100 FEET OF FENCE.

6. EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER RAINFALLS OF 0.5 INCHES OR MORE. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED FROM SILT FENCES WHEN DEPOSITS REACH ONE-HALF THE HEIGHT OF THE FENCE.

SITE STATISTICS:
Total acreage of property: 3.26 acres
Zoning District: I-1, A-1
Proposed use: Parking Industrial Use
Proposed Parking coverage: 0.34 Ac. - 10.43% (Total Impervious)

PARKING STATISTICS:
Additional Parking Proposed: 40 Parking spaces.

NOTE: PROPERTY LINES SHOWN ARE BY OTHERS. SEE FINAL PLAT FOR PROPERTY DETAILS AND PROPERTY CERTIFICATION. PROPERTY CERTIFICATION FOR THIS DRAWING IS NOT EXPRESSED OR IMPLIED.

NOTE: PROJECT IN NAD 83 KY STATE PLANE NORTH ZONE.

LEGEND

EXISTING ELECTRIC	E — E
EXISTING GAS	G — G
EXISTING SANITARY	SS — SS
EXISTING ELECTRIC	G — G
PROPERTY LINE	PL — PL
FLOOD PLAIN	
EXISTING CONTOURS	
PROPOSED PARKING	
PROPOSED CONTOUR	
PROPOSED RIPARIAN BUFFER	

PROPERTY OWNER: CYRON HOLDINGS LLC
101 BARKLEY LANE
GEORGETOWN, KY 40324

ENGINEER: DUKE ENGINEERING COMPANY
POST OFFICE BOX 868
MT. STERLING, KY 4034
duke@dukeengineeringco.com
859-585-6832

STATE OF KENTUCKY
LOWELL DUKE MARTIN
19618
LICENSED PROFESSIONAL ENGINEER

Duke Martin 3-19-24

CYRON HOLDINGS
ADDITIONAL PARKING AREA
1007 DELAPLAIN ROAD,
GEORGETOWN, KY 40324
3-19-24